

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	2	"10599609"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L9	10	("20030160250"   "20030185135"   "4864119"   "5451769"   "6236033").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L10	4	("2003/0185135").URPN.	USPAT	OR	OFF	2010/01/16 16:41
L11	74	("3866037"   "4360273"   "4405238"   "4411013"   "4556790"   "4659429"   "4662747"   "4815854"   "4891830"   "5250812"   "5306902"   "5351127"   "5354985"   "5451980"   "5570139"   "5633972"   "5663798"   "5789742"   "5933233"   "5973316"   "6040936"   "6052238"). PN. OR ("6236033").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L12	56	("20030123125"   "20030128949"   "20030173501"   "20050068541"   "20050161589"   "20050175939"   "20060039009"   "20060083350"   "4410454"   "4659429"   "4662747"   "4815854"   "4891830"   "4997278"   "5202939"   "5250812"   "5306902"   "5351127"   "5354985"   "5359681"   "5451980"   "5455594"   "5550373"   "5570139"   "5633972"   "5647030"   "5663798"   "5666195"   "5784507"   "5789742"   "5835645"   "5864641"   "5933233"   "5946083"   "5973316"   "5986808"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41

		"6014251"   "6040936"   "6044981"   "6052238"   "6097456"   "6111248"   "6147756"   "6151114"   "6191847"   "6236033"   "6282005"   "6285020"   "6326004"   "6441298"   "6514936"   "6525880"   "6539156"   "6797405"   "7319560").PN. OR ("7426040").URPN.				
L13	1878	257/292.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L14	1376	L13 and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L15	165	369/112.21.ccls. and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L16	344902	(((photo light) near3 (sensor detector)) photodiode) and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L17	655968	(conduct\$3 or metal) with (aperture open\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L18	213562	(semiconductor near layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L19	348217	(((photo light) near3 (sensor detector)) photodiode photo-diode) and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41

L20	1091	L17 and L18 and L19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L21	728	L20 and wavelength	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L22	201	L21 and periodic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L23	332	L21 and (periodic waveguide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L24	327	L23 and light	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L25	332	L23 and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L26	281	L25 and (electrode or (anode cathode))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L27	5	("5308779"   "5663078"   "5840602"   "6429145"   "6846715").PN. OR ("7288446").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L28	8	("3849678"   "5132541"   "5448099").PN. OR ("6774448").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41

L29	10	("20030160250"   "20030185135"   "4864119"   "5451769"   "6236033").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L30	2	("20030173501").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L31	3	"2003287656"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L32	10	("2629800"   "3448351").PN. OR ("4864119").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L33	13	("4037244"   "4438331"   "4525732"   "4782222"   "4803695"   "4806997"   "4864119"   "4891815"   "4894526"   "5023685"   "5028971"   "5049965"   "5150185").PN. OR ("5554882").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L34	2	("20030185135").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L35	4	("2003/0185135").URPN.	USPAT	OR	OFF	2010/01/16 16:41
L36	0	("2003/160250").URPN.	USPAT	OR	OFF	2010/01/16 16:41
L37	2	("2003160250").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L38	2	"5451769".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41

L39	30	("2668184"   "2897421"   "2898525"   "3440427"   "3622844"   "4593304"   "4626884"   "4807006"   "4999695"   "5045681"   "5214275"   "5222162"   "5222175").PN. OR ("5451769").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L40	0	"2000222765"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L41	0	"200222765"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L42	0	"2000222765"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L43	348217	((photo light) near3 (sensor detector) photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L44	1325	L43 and (scatter\$3 with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L45	348217	((photo light) near3 (sensor detector) photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L46	1325	L45 and (scatter\$3 with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L47	43	L46 and ((impurity dop\$3) with (lower higer greater))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L48	17261	L45 and (optical near fiber) and (amplifier or (pre near amplifier))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41

L49	107	L46 and (optical near fiber) and (amplifier or (pre near amplifier))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L50	3	("20010004348"   "20030066944").PN. OR ("6689545").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L51	348217	(((photo light) near3 (sensor detector)) photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L52	159	L51 and ((scatter\$3 with metal) same (aperture hole open\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L53	125006	(photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L54	76	L53 and ((scatter\$3 with metal) same (aperture hole open\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L55	125006	(photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L56	14239	L55 and (optic\$2 near fiber) and (amplifier preamplifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L57	753	L56 and ((conduct\$3 or metal) with (aperture open \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41

L58	62	L57 and (scatter\$3 same metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L59	6	("20020048301").PN. OR ("6741629").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L60	348217	((photo light) near3 (sensor detector)) photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L61	22079	L60 and (optic\$2 near fiber) and (amplifier preamplifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L62	2939	L60 and ((optic\$2 near fiber) and (amplifier preamplifier)) same (case package)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L63	1367	L62 and coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L64	5523	photodiode and coupler and amplifier and source	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L65	4751	L64 and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L66	2549	L55 and (optic\$2 near fiber) and ((amplifier preamplifier) with (amplif \$4 with electrical with signal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41

L67	97521	(photodiode photo-diode) and @ad< "20040405"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L68	1942	L67 and (optic\$2 near fiber) and ((amplifier preamplifier) with (amplif\$4 with electrical with signal))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L69	13	("4037244"   "4438331"   "4525732"   "4782222"   "4803695"   "4806997"   "4864119"   "4891815"   "4894526"   "5023685"   "5028971"   "5049965"   "5150185").PN. OR ("5554882").URPN.	US_PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L70	3274	photodiode and coupler and amplifier and (light near source)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L71	0	photodiode and coupler and (pre-amplifier with amplify with electrical with signal) and (light near source) and @ad< "20040405"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L72	1	photodiode and coupler and (pre-amplifier with amplify with electrical with signal) and @ad< "20040405"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L73	103	L67 and (optic\$2 near fiber) and ((preamplifier) with (amplif\$4 with electrical with signal)) and @ad< "20040405"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L74	23	L67 and (optic\$2 near fiber) and ((preamplifier) with (amplif\$4 with electrical with signal)) and (coupler) and @ad< "20040405"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41

L75	128	L67 and (optic\$2 near fiber) and (((preamplifier same (photodiode photo near detector)) same (case package enclosure))) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L76	16	L75 and coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L77	2	("20040151442").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L78	274557	((photo light) near3 (sensor detector)) photodiode photo-diode) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L79	439639	(conduct\$3 or metal) near4 (aperture open\$3 hole)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L80	927	L78 and L79 and (periodic waveguide) and wavelength	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L81	915	L80 and (incident (ray light))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L82	715	L81 and semiconductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L83	1489	(aperture open\$3 hole) with wavelength with (incident near2 (light ray))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41

L84	22	L82 and L83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L85	10	("20010006435"   "20020001283"   "20030112542"   "20040131001"   "6307827"   "6359852"   "6445453"   "6614742"   "6818907").PN. OR ("7085220").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L86	391	(schottky near2 (photodiode photo-diode)) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L87	156	L86 and (semiconductor near2 (film layer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L88	138	L87 and (metal or conductive)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L89	117	L88 and (aperture open\$3 hole)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L90	21	L89 and (wavelength with (incident near2 light ray))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L91	97521	(photodiode photo-diode) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41

L92	130	L91 and L83	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L93	13	L92 and periodic	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L94	3640	(aperture open\$3 hole) with (wavelength with (incident near2 light ray))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L95	1	L86 and L94	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L96	97521	(photodiode photo-diode) and @ad< "20040405"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L97	213	L96 and L94	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L98	6	((junichi near fujikata) or (hitoshi near yokota) or (tsutomu near ishi)).in. and (photodiode photo \$1diode)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L99	1	"2003529438"	US_PGPUB; USPAT; JPO; DERWENT	OR	ON	2010/01/16 16:41
L100	1	("2003529438").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L101	1	("2003529438").PN.	DERWENT	OR	OFF	2010/01/16 16:41

L102	3	("2004247640").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L103	2	("20030173501").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L104	0	("6236033.pn.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L105	2	"6236033".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L106	2	"4864119".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L107	10	("2629800"   "3448351"). PN. OR ("4864119").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 16:41
L108	13	(near\$1field near4 (photodiode photo-diode)) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L109	50	(near\$1field with (photodiode photo-diode)) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L110	37	L109 not L108	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41

L111	2	"6236033".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L112	2	"6649901".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L113	2	"6285020".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L114	170	(photodiode photo\$1diode) and (first near optical near fiber) and (second near optical near fiber) and (light near source) and board and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L115	2	L114 and (first near optical near coupler) and (second near optical near coupler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L116	30	L114 and (optical near coupler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L117	10	(photodiode photo\$1diode photodetector photo \$1detector) and (first near optical near fiber) and (second near optical near fiber) and (light near source) and (mount\$3 near board) and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L118	2	("20030173501").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41

L119	6	(photodiode photo\$1diode photodetector photo \$1detector) and ((Scatter \$3 adj (layer film member)) near4 (Silver Ag Gold Au))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L120	4	L119 and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L121	6	(photodiode photo\$1diode photodetector photo \$1detector) and ((Scatter \$3 adj (layer film member)) with (Silver Ag Gold Au)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L122	13	(photodiode photo\$1diode photodetector photo \$1detector) and ((Scatter \$3 adj (layer film member)) same (Silver Ag Gold Au)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L123	285	(photodiode photo\$1diode photodetector photo \$1detector) and (Scatter\$3 adj (layer film member)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L124	14	(photodiode photo\$1diode photodetector photo \$1detector) with (Scatter \$3 adj (layer film member)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L125	38	(photodiode photo\$1diode photodetector photo \$1detector) same (Scatter \$3 adj (layer film member)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L126	358182	((photo light) near3 (sensor detector)) photodiode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41

L127	306208	((photo light) near3 (sensor detector)) photodiode) and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 16:41
L128	136	L126 same (Scatter\$3 adj (layer film member))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L129	122	L128 and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 16:41
L130	2	("20030164922").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 17:27
L131	3	((KEISHI) near2 (OOHASHI)).INV.	US-PGPUB; USPAT	OR	OFF	2010/01/16 17:42
L132	57	((TSUTOMU) near2 (ISHI)).INV.	US-PGPUB; USPAT	OR	OFF	2010/01/16 17:44
L133	20	((TOSHIO) near2 (BABA)).INV.	US-PGPUB; USPAT	OR	OFF	2010/01/16 17:45
L134	36	((JUNICHI) near2 (FUJIKATA)).INV.	US-PGPUB; USPAT	OR	OFF	2010/01/16 17:46
L135	13	((KIKUO) near2 (MAKITA)).INV.	US-PGPUB; USPAT	OR	OFF	2010/01/16 17:47
L136	741	257/233.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 17:48
L137	66	257/292.ccls. and (wavelength with (incident near2 (light ray))) and (aperture hole open) and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 17:55
L138	28	257/292.ccls. and (wavelength with (incident near2 (light ray))) and (aperture hole open) and @ad<"20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 17:56

L139	17	257/462.ccls. and (wavelength with (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 17:57
L140	1	257/e31.058.ccls. and (wavelength with (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 17:58
L141	7	257/e31.058.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 17:59
L142	56	257/e31.063.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 17:59
L143	24	257/e31.115.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:01
L144	29	257/e25.032.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:02
L145	159	257/e27.133.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:03
L146	68	257/e27.134.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:04
L147	30	257/e27.135.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:07

L148	40	257/e27.136.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:09
L149	16	257/e27.137.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:10
L150	11	257/e27.138.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:11
L151	11	257/e27.139.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:11
L152	11	257/e33.076.ccls. and (wavelength and (incident near2 (light ray))) and (aperture hole open) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 18:12
L153	0	(photodiode incident light optical fiber conductive film aperture wavelength periodic structure resonant state surface plasmon semiconductor layer near field light).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/01/16 18:37
S1	1	"10599609"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 20:19
S2	10	("20030160250"   "20030185135"   "4864119"   "5451769"   "6236033").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/03 23:19
S3	4	("2003/0185135").URPN.	USPAT	OR	OFF	2008/12/03 23:24

S4	68	("3866037"   "4360273"   "4405238"   "4411013"   "4556790"   "4659429"   "4662747"   "4815854"   "4891830"   "5250812"   "5306902"   "5351127"   "5354985"   "5451980"   "5570139"   "5633972"   "5663798"   "5789742"   "5933233"   "5973316"   "6040936"   "6052238").PN. OR ("6236033").URPN.	US_PGPUB; USPAT; USOCR	OR	OFF	2008/12/03 23:25
S5	55	("20030123125"   "20030128949"   "20030173501"   "20050068541"   "20050161589"   "20050175939"   "20060039009"   "20060083350"   "4410454"   "4659429"   "4662747"   "4815854"   "4891830"   "4997278"   "5202939"   "5250812"   "5306902"   "5351127"   "5354985"   "5359681"   "5451980"   "5455594"   "5550373"   "5570139"   "5633972"   "5647030"   "56663798"   "5666195"   "5784507"   "5789742"   "5835645"   "5864641"   "5933233"   "5946083"   "5973316"   "5986808"   "6014251"   "6040936"   "6044981"   "6052238"   "6097456"   "6111248"   "6147756"   "6151114"   "6191847"   "6236033"   "6282005"   "6285020"   "6326004"   "6441298"   "6514936"   "6525880"   "6539156"   "6797405"   "7319560").PN. OR ("7426040").URPN.	US_PGPUB; USPAT; USOCR	OR	OFF	2008/12/03 23:27
S6	1520	257/292.ccls.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 14:43

S7	1283	S6 and @ad< "20061003"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 14:45
S8	163	369/112.21.ccls. and @ad< "20061003"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 14:58
S9	336407	(((photo light) near3 (sensor detector)) photodiode) and @ad< "20061003"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 15:23
S11	624368	(conduct\$3 or metal) with (aperture open\$3)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:06
S12	191627	(semiconductor near layer)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:08
S13	339681	(((photo light) near3 (sensor detector)) photodiode photo-diode) and @ad< "20061003"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:09
S14	1041	S11 and S12 and S13	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:09
S15	700	S14 and wavelength	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:10
S16	195	S15 and periodic	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:11

S17	325	S15 and (periodic waveguide)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:11
S18	320	S17 and light	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:11
S19	325	S17 and @ad<"20061003"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:12
S20	275	S19 and (electrode or (anode cathode))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:14
S21	5	("5308779"   "5663078"   "5840602"   "6429145"   "6846715").PN. OR ("7288446").URPN.	US_PGPUB; USPAT; USOCR	OR	OFF	2008/12/11 17:36
S22	6	("3849678"   "5132541"   "5448099").PN. OR ("6774448").URPN.	US_PGPUB; USPAT; USOCR	OR	OFF	2008/12/11 17:41
S23	10	("20030160250"   "20030185135"   "4864119"   "5451769"   "6236033").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 17:47
S24	2	("20030173501").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/11 19:06
S25	3	"2003287656"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/11 19:08
S26	10	("2629800"   "3448351").PN. OR ("4864119").URPN.	US_PGPUB; USPAT; USOCR	OR	OFF	2008/12/11 19:11

S27	13	("4037244"   "4438331"   "4525732"   "4782222"   "4803695"   "4806997"   "4864119"   "4891815"   "4894526"   "5023685"   "5028971"   "5049965"   "5150185").PN. OR ("5554882").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/11 19:12
S28	2	("20030185135").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/11 19:17
S29	4	("2003/0185135").URPN.	USPAT	OR	OFF	2008/12/11 19:17
S30	0	("2003/160250").URPN.	USPAT	OR	OFF	2008/12/11 19:21
S31	2	("2003160250").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/11 19:21
S32	2	"5451769".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/11 19:22
S33	30	("2668184"   "2897421"   "2898525"   "3440427"   "3622844"   "4593304"   "4626884"   "4807006"   "4999695"   "5045681"   "5214275"   "5222162"   "5222175").PN. OR ("5451769").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/11 19:22
S34	0	"2000222765"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/11 19:29
S35	0	"200222765"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/11 19:30
S36	0	"2000222765"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/11 19:30
S37	339681	((photo light) near3 (sensor detector) photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 19:57

S38	1263	S37 and (scatter\$3 with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 19:58
S39	339681	((photo light) near3 (sensor detector)) photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 23:16
S40	1263	S39 and (scatter\$3 with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 23:16
S41	36	S40 and ((impurity dop\$3) with (lower higer greater))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/11 23:16
S42	16775	S39 and (optical near fiber) and (amplifier or (pre near amplifier))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 00:51
S43	104	S40 and (optical near fiber) and (amplifier or (pre near amplifier))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 00:52
S44	3	("20010004348"   "20030066944").PN. OR ("6689545").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/12 01:06
S45	339681	((photo light) near3 (sensor detector)) photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 11:47
S46	152	S45 and ((scatter\$3 with metal) same (aperture hole open\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 11:47

S47	121677	(photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 12:03
S48	75	S47 and ((scatter\$3 with metal) same (aperture hole open\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 12:04
S49	121677	(photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 14:55
S50	13835	S49 and (optic\$2 near fiber) and (amplifier preamplifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 14:55
S51	739	S50 and ((conduct\$3 or metal) with (aperture open \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 14:58
S52	62	S51 and (scatter\$3 same metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 14:58
S53	4	("20020048301").PN. OR ("6741629").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/12 15:23
S54	339681	(((photo light) near3 (sensor detector)) photodiode photo-diode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 15:36
S55	21452	S54 and (optic\$2 near fiber) and (amplifier preamplifier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 15:36

S56	2851	S54 and (((optic\$2 near fiber) and (amplifier preamplifier)) same (case package))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 15:39
S57	1327	S56 and coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 15:39
S58	5063	photodiode and coupler and amplifier and source	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 16:00
S59	4631	S58 and @ad<"20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 16:01
S60	2460	S49 and (optic\$2 near fiber) and ((amplifier preamplifier) with (amplif \$4 with electrical with signal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 16:26
S61	97011	(photodiode photo-diode) and @ad<"20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 16:33
S62	1926	S61 and (optic\$2 near fiber) and ((amplifier preamplifier) with (amplif \$4 with electrical with signal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 16:33
S63	13	("4037244"   "4438331"   "4525732"   "4782222"   "4803695"   "4806997"   "4864119"   "4891815"   "4894526"   "5023685"   "5028971"   "5049965"   "5150185").PN. OR ("5554882").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/12 16:42

S64	2998	photodiode and coupler and amplifier and (light near source)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 17:04
S65	0	photodiode and coupler and (pre-amplifier with amplify with electrical with signal) and (light near source) and @ad<"20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 17:05
S66	1	photodiode and coupler and (pre-amplifier with amplify with electrical with signal) and @ad<"20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 17:06
S67	103	S61 and (optic\$2 near fiber) and ((preamplifier) with (amplif\$4 with electrical with signal)) and @ad<"20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 17:07
S68	23	S61 and (optic\$2 near fiber) and ((preamplifier) with (amplif\$4 with electrical with signal)) and (coupler) and @ad<"20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 17:17
S69	128	S61 and (optic\$2 near fiber) and (((preamplifier same (photodiode photo near detector)) same (case package enclosure))) and @ad<"20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 17:34
S70	16	S69 and coupler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 17:49
S71	2	("20040151442").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/12 19:32
S73	273978	((photo light) near3 (sensor detector)) photodiode photo-diode and @ad<"20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:12

S74	423741	(conduct\$3 or metal) near4 (aperture open\$3 hole)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:13
S75	917	S73 and S74 and (periodic waveguide) and wavelength	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:15
S76	905	S75 and (incident (ray light))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:16
S77	706	S76 and semiconductor	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:17
S78	1407	(aperture open\$3 hole) with wavelength with (incident near2 (light ray))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:20
S79	22	S77 and S78	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:20
S80	9	("20010006435"   "20020001283"   "20030112542"   "20040131001"   "6307827"   "6359852"   "6445453"   "6614742"   "6818907").PN. OR ("7085220").URPN.	US_PGPUB; USPAT; USOCR	OR	OFF	2009/06/10 10:30
S81	390	(schottky near2 (photodiode photo-diode)) and @ad< "20040405"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:37

S82	156	S81 and (semiconductor near2 (film layer))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:38
S83	138	S82 and (metal or conductive)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:38
S84	117	S83 and (aperture open\$3 hole)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:39
S85	21	S84 and (wavelength with (incident near2 light ray))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 10:39
S86	97291	(photodiode photo-diode) and @ad< "20040405"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 11:14
S87	128	S86 and S78	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 11:14
S88	13	S87 and periodic	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 11:16
S89	3430	(aperture open\$3 hole) with (wavelength with (incident near2 light ray))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 11:19
S90	1	S81 and S89	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 11:20

S91	97291	(photodiode photo-diode) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 11:21
S92	211	S91 and S89	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 11:21
S93	5	((junichi near fujikata) or (hitoshi near yokota) or (tsutomu near ishi)).in. and (photodiode photo \$1diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/10 14:10
S94	1	"2003529438"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/06/10 14:16
S95	1	("2003529438").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/10 14:17
S96	1	("2003529438").PN.	DERWENT	OR	OFF	2009/06/10 14:17
S97	3	("2004247640").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/10 14:20
S98	2	("20030173501").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/10 14:30
S99	0	("6236033.pn.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/10 14:30
S100	2	"6236033".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/10 14:30

S101	2	"4864119".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/10 14:53
S102	10	("2629800"   "3448351").PN. OR ("4864119").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/10 14:55
S103	13	(near\$1field near4 (photodiode photo-diode) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/11 13:24
S104	49	(near\$1field with (photodiode photo-diode) and @ad< "20040405"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/11 13:32
S105	36	S104 not S103	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/11 13:32
S106	2	"6236033".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/12 12:15
S107	2	"6649901".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/12 12:16
S108	2	"6285020".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/12 12:16
S109	166	(photodiode photo\$1diode) and (first near optical near fiber) and (second near optical near fiber) and (light near source) and board and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 01:17

S110	2	S109 and (first near optical near coupler) and (second near optical near coupler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 01:19
S111	29	S109 and (optical near coupler)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 01:25
S112	10	(photodiode photo\$1diode photodetector photo \$1detector) and (first near optical near fiber) and (second near optical near fiber) and (light near source) and (mount\$3 near board) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 01:47
S113	2	("20030173501").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/22 02:12
S114	6	(photodiode photo\$1diode photodetector photo \$1detector) and ((Scatter \$3 adj (layer film member)) near4 (Silver Ag Gold Au))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 02:44
S115	4	S114 and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 02:45
S116	6	(photodiode photo\$1diode photodetector photo \$1detector) and ((Scatter \$3 adj (layer film member)) with (Silver Ag Gold Au)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 02:50
S117	13	(photodiode photo\$1diode photodetector photo \$1detector) and ((Scatter \$3 adj (layer film member)) same (Silver Ag Gold Au)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 02:51

S118	282	(photodiode photo\$1diode photodetector photo \$1detector) and (Scatter\$3 adj (layer film member)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 02:55
S119	14	(photodiode photo\$1diode photodetector photo \$1detector) with (Scatter \$3 adj (layer film member)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 03:22
S120	38	(photodiode photo\$1diode photodetector photo \$1detector) same (Scatter \$3 adj (layer film member)) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 03:25
S121	341218	(((photo light) near3 (sensor detector)) photodiode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/22 03:37
S122	302626	(((photo light) near3 (sensor detector)) photodiode) and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/22 03:37
S123	133	S121 same (Scatter\$3 adj (layer film member))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 03:39
S124	121	S123 and @ad< "20061003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/22 03:39

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